

Claims

1. A method for providing a system that is operated by a first party, with position information from a mobile unit (16) provided with a unique identity and belonging to a second party, the first party provides a service that is dependent of the position of the mobile unit (16), the second party activates the use of the service, **characterized in** that the method comprises the further steps:

- to send a signal from the mobile unit (16) via a cellular communication network, when the second party activates the use of the service, to a toll number associated with a certain charge, the signal comprises information regarding the identity of the mobile unit (16) and position indication provided by the cellular communication network depending on which cell (14, 15; 14, 20, 21) the mobile unit (16) is present in, each cell within the cellular communication network defining a geographic area, and
- to debit said charge from an account connected to the mobile unit (16) and said second party.

2. The method according to claim 1, wherein the communication network is selected to be a GSM network.

3. The method according to any of claims 1 or 2, wherein the signal that is sent from the mobile unit (16) is sent in the form of a SMS, and that the information from the unit (16) may be presented on a home page.

4. The method according to any of the preceding claims, wherein said service is connected to a toll system, the mobile unit (16) is provided with a list of which cells (15; 20, 21) in the cellular communication network that is a part of a toll zone (13), said service is activated and a debit entry of a

toll charge is performed when the mobile unit (16) moves into one of said cells from a cell that is not on the list and/or moves within a cell, or several cells, that is on the list.

5 5. The method according to claim 4, wherein , when only a single charge is debited when the mobile unit (16) moves into the toll zone (13), the second party may be credited the single charge fully or partially if the mobile unit (16) leaves the toll zone (13) within a predetermined time period.

10 6. The method according to claim 4, wherein a time based charge is debited the second party dependent on how long time the mobile unit (16) has been present within a cell, or several cells, that is on the list.

15 7. The method according to claim 6, wherein the toll zone (13) is divided into sub zones, each of which has a predefined entering charge and/or time based charge.

8. The method according to any of claims 4-7, wherein the list of cells that is a part of the toll zone (13) is updated by generating a SMS that is sent to the mobile unit (16).

20 9. The method according to any of claims 4-8, wherein roads within the toll zone (13), so called through routes (22), are excluded from generating a debit entry when the mobile unit (16) is present there by arranging special transmitters at suitable locations.

25 10. The method according to any of the preceding claims, wherein information in the signal, which is sent when the second party activates the service, is forwarded to a party that provides the service.

11. The method according to claim 10, wherein the service that is provided is a personal alarm service, where the service is activated by pushing an alarm button (30).

5 12. The method according to claim 10, wherein the service provided is a tracking service to track goods being transported, stolen goods and/or cars, the service is activated through automatic updates of the present position of the mobile unit (16).

10 13. The method according to claim 12, wherein the mobile unit (16) is activated at regular intervals.

14. The method according to any of claims 12-13, wherein the service for the mobile unit (16) may be initiated by sending a message to the unit (16).

15 15. The method according to any of claims 12-14, wherein the mobile unit (16) further provided with one or more external sensors (41), which activates an alarm/update at unexpected or undesired activities detected by the sensors.

20 16. A mobile unit (16) for providing a system, operated by a first party, with position information, said mobile unit (16) is provided with a unique identity and belonging to a second party, the first party provides a service that is dependent of the position of the mobile unit (16), the second party activates the use of the service, **characterized in** that the mobile unit (16) comprises:

25 - means to send a signal via a cellular communication network, when the second party activates the use of the service, to a toll number associated with a certain charge, the signal comprises information regarding the identity of the mobile unit (16) and position indication provided by the
30 cellular communication network depending on which cell (14,

15; 14, 20, 21) the mobile unit (16) is present in, each cell within the cellular communication network defining a geographic area.

5 17. The mobile unit (16) according to claim 16, wherein the mobile unit is used in a toll system and being provided to have a list of which cells (15; 20,21) in the cellular communication network that is a part of a toll zone (13).

10 18. The mobile unit (16) according to claim 17, wherein the mobile unit is provided with means to receive an updated list of cells, preferably by using SMS.

19. The mobile unit according to claim 16, wherein the mobile unit is used as a personal alarm and being provided with an alarm button (30) that activates the service when being pushed.

15 20. The mobile unit according to claim 16, wherein the mobile unit is used for tracking goods, and being provided with means to send out automatic updates of the present position of the mobile unit.

20 21. A system for tracking the position of a mobile unit (16), **characterized in** that the system use the method according to any of claims 1-15.